

Lawrence Chung

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,086
citations

840776

11
h-index

752698

20
g-index

41
all docs

41
docs citations

41
times ranked

996
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-Functional Requirements in Software Engineering. , 2000, , .		1,026
2	From object-oriented to goal-oriented requirements analysis. Communications of the ACM, 1999, 42, 31-37.	4.5	497
3	Dealing with non-functional requirements. , 1995, , .		120
4	Dealing with change: An approach using non-functional requirements. Requirements Engineering, 1996, 1, 238-260.	3.1	48
5	Dealing with security requirements during the development of information systems. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 1993, , 234-251.	0.3	45
6	Representation and utilization of non-functional requirements for information system design. Lecture Notes in Computer Science, 1991, , 5-30.	1.3	33
7	Software architecture adaptability. , 2002, , .		27
8	From information system requirements to designs: A mapping framework. Information Systems, 1991, 16, 429-461.	3.6	23
9	A knowledge-based COTS-aware requirements engineering approach. , 2002, , .		23
10	REUBI: A Requirements Engineering method for ubiquitous systems. Science of Computer Programming, 2013, 78, 1895-1911.	1.9	23
11	Using Blockchain to Enhance the Trustworthiness of Business Processes: A Goal-Oriented Approach. , 2018, , .		23
12	Capturing and Reusing Functional and Non-functional Requirements Knowledge: A Goal-Object Pattern Approach. , 2006, , .		19
13	The RE-Tools: A multi-notational requirements modeling toolkit. , 2012, , .		19
14	Adaptable architecture generation for embedded systems. Journal of Systems and Software, 2004, 71, 271-295.	4.5	17
15	A multi-Agent based model for task scheduling in cloud-fog computing platform. , 2020, , .		16
16	Defining goals in a COTS-aware requirements engineering approach. Systems Engineering, 2004, 7, 61-83.	2.7	15
17	A goal-oriented simulation approach for obtaining good private cloud-based system architectures. Journal of Systems and Software, 2013, 86, 2242-2262.	4.5	15
18	A Survey on Indoor Positioning Systems: Foreseeing a Quality Design. Advances in Intelligent and Soft Computing, 2010, , 373-380.	0.2	15

#	ARTICLE	IF	CITATIONS
19	A Static Birthmark for MS Windows Applications Using Import Address Table. , 2013, , .		13
20	GOMA: Supporting Big Data Analytics with a Goal-Oriented Approach. , 2016, , .		8
21	6.7.2 Defining an Architecture with a COTSâ€Aware Software Engineering Process. IncoSE International Symposium, 2003, 13, 1219-1228.	0.6	5
22	Tool support for engineering adaptability into software architecture. , 2002, , .		4
23	Applying a Goal-Oriented Method for Hazard Analysis: A Case Study. , 2006, , .		4
24	Testable embedded system firmware development: the outâ€in methodology. Computer Standards and Interfaces, 2000, 22, 337-352.	5.4	3
25	Investigating relationships between functional coupling and the energy efficiency of embedded software. Software Quality Journal, 2018, 26, 491-519.	2.2	3
26	Estimating the Performance of Cloud-Based Systems Using Benchmarking and Simulation in a Complementary Manner. Lecture Notes in Computer Science, 2018, , 576-591.	1.3	3
27	3.5.4 A COTSâ€Aware Requirements Engineering Process: a Goalâ€and Agentâ€oriented Approach. IncoSE International Symposium, 2002, 12, 935-942.	0.6	2
28	Architecture-based semantic evolution of embedded remotely controlled systems. Journal of Software: Evolution and Process, 2003, 15, 145-190.	1.1	2
29	Big data: A requirements engineering perspective. , 2016, , .		2
30	Temporal Pattern Specifications for Self-Adaptive Requirements. Recent Patents on Computer Science, 2019, 12, 58-68.	0.5	2
31	ACASAâ€a framework for Adaptable COTS-Aware Software Architecting. Computer Standards and Interfaces, 2003, 25, 223-231.	5.4	1
32	System and software solution-oriented architectures. Science of Computer Programming, 2012, 77, 1-3.	1.9	1
33	A requirements-based approach for representing micro-business patterns. , 2013, , .		1
34	Coping with uncertainties in estimating requirements development effort. , 2018, , .		1
35	Managing change in an OTS-aware requirements engineering approach. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2005, 30, 1-4.	0.7	0
36	4.4.2 Quantifying the Evolution of Goals in Requirements Engineering: A Study on the Quality Assurance Review Assistant Tool. IncoSE International Symposium, 2005, 15, 668-680.	0.6	0

#	ARTICLE	IF	CITATIONS
37	2011 First International Workshop on Requirements Patterns. , 2011, , .		0
38	Novel approaches in the design and implementation of system/software architectures. Journal of Systems and Software, 2012, 85, 459-462.	4.5	0
39	Representing Micro-Business Requirements Patterns with Associated Software Components. International Journal of Information System Modeling and Design, 2014, 5, 71-90.	1.1	0
40	Eliciting Smartphone App Requirements for Helping Senior People: A Questionnaire Approach. , 2021, , .		0